FORMULAS AND TABLES FOR ARCH BRICK— *Continued*

Firebrick Arches; Rise, Length, Radius, for Chord of Unity

No. 1	No. 2	No. 3	No. 4	No. 5	No. 6	No. 7	No. 8
Rise or Middle Ordinate Decimal of	Logarithm of Rise or Middle Ordinate	Rise or Middle Ordinate Inches per 1 Ft Span	Arc	Length of Arc	Logarithm of Length of Arc	Radius of Arc	Logarithm of Radius of Arc
v	log v	v	a, Degrees, Minutes and	b or c	- log 6 log c	r or r'	log r log r'
0.1667	9.22185	*2*	73-44-08	1.07254	0.03042	0.8334	9.92084
0 1697	[illegible]						
0 1700	9.2304		75-00-1	1	0	0	9
0.1719	9.23521	*2-h*	75-53-30	1.07702	0.03222	0.8131	9.91015
0.1750							
0.1771	9.24551	21	77-09-36	1.07977	0.03333	0.8018	9.90406
0 1800							
0.1823	9.20077	2&	80-07-39	1.08639	0.03599	0.7768	9.89033
0.1850		21					
0.1875	9.26717		81-13-04	1.08890	0.03699	0.7682	9.88546
0 1882							
0 1900	9		83-13-	1.09361	0.03880	0	9
0.1927	9.28490	2ft	84HL3-17	1 .09625	0.03991	0.7456	9.87253
0.1950		2|					
0.1970	9 .29003		85-13-23	1.09850	0.04080	0.7385	9.86837
0 2000							
0.2081	9.3077C	2&	88-27-14	1.10660	0.043 99	0.7169	9.85543
0 2050							
0 2071	9		90-00-	1.11079	0.0456	0.707	9.8494
0.2083	9.31876	2|	90-29-34	1.111 96	0.046 05	0.7041	9.84762
0 2100							
0.2135	9.3294<	2&	92-29-24	1.117 43	0.048 22	0.69 22	9.84025
0.2188	9.339	2|	94-32-	1.123	0.050	0.680	9.8329
0.2240	9,3501	2«	96-29-13	1.128 85	0.052 64	0.6703	9.82624
0.2292	9.3601	2f	98-30-0	1.134 66	0.054 87	0.6600	9.81953